



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

C45-8-5
Job Sheet 171847-A



Part No: C45-8-5

Job Qty: 1 ea

Part Name: Solenoid Cover



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 4/6/18

Job Tracking No:

Due Date: 2/23/18

Created By: Linda Lacelle

Type: Stock

Description:

Note: C45-8-5 REV.10 IPP REV:A 18.02.07 NEW ISSUE DD VERF:DP

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
170	QC	1 pcs		2/22/18	0.00	0.00	QC6		See base after AP
180	Small Fab	1 pcs		2/23/18	0.25	0.08	Small Fab-9		
190	QC	1 pcs		2/23/18	0.00	0.00	QC5		SS
200	Packaging	1 pcs		2/23/18	0.00	0.00	Packaging3-2		DAS SD
210	QC21-FG	1 Ea		2/23/18	0.00	0.00	QC21		21

Part Op 180 - LASER ENGRAVE AS PER DWG
Descriptions:

9-80

APR 06 2018

Job BOM

Job BOM records could not be found.

Job Allocations

Job Allocations could not be found.

Part Specifications

Specifications could not be found.

Plex 4/6/18 10:56 AM dart.lacelle.linda

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____ Date : _____ Description Wor. _____	DISPOSITION Rework ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Cross tube ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Engineering Quality ☐ Packaging ☐ Other ☐ Supplier ☐ MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval																																																																																																												
DART AEROSPACE 1270 Aberdeen Street Hawkesbury, ON K6A 1K7 CANADA TEL.: 1 613 632-8200 Email: sales@dartaero.com www.dartaerospace.com Container No: S058826  Part: C45-8-5 Job No: 171847-A Serial No/Batch: S046392 Revision: 10 Inspector: Date: 04/06/10																																																																																																														
Root Cause <table style="width: 100%;"> <tr><td>Environment</td><td>☐</td><td>No Re-verification</td><td>☐</td></tr> <tr><td>Design</td><td>☐</td><td>Operator</td><td>☐</td></tr> <tr><td>Doc/Data</td><td>☐</td><td>Offset/Setup</td><td>☐</td></tr> <tr><td>Equip/Tooling</td><td>☐</td><td>Supplier</td><td>☐</td></tr> <tr><td>Handling/Pre</td><td>☐</td><td>Training</td><td>☐</td></tr> <tr><td>Material</td><td>☐</td><td>Use for Testing</td><td>☐</td></tr> <tr><td>Internal Transport</td><td>☐</td><td>Poor Information</td><td>☐</td></tr> <tr><td>Tribal Knowledge</td><td>☐</td><td>Rushing</td><td>☐</td></tr> <tr><td>LOA</td><td>☐</td><td>Product Improvement</td><td>☐</td></tr> <tr><td>Substation</td><td>☐</td><td>Process Improvement</td><td>☐</td></tr> <tr><td>Past Expiry Date</td><td>☐</td><td>Manufacturing Process</td><td>☐</td></tr> <tr><td>Misidentified</td><td>☐</td><td>Past Due</td><td>☐</td></tr> </table>	Environment	☐	No Re-verification	☐	Design	☐	Operator	☐	Doc/Data	☐	Offset/Setup	☐	Equip/Tooling	☐	Supplier	☐	Handling/Pre	☐	Training	☐	Material	☐	Use for Testing	☐	Internal Transport	☐	Poor Information	☐	Tribal Knowledge	☐	Rushing	☐	LOA	☐	Product Improvement	☐	Substation	☐	Process Improvement	☐	Past Expiry Date	☐	Manufacturing Process	☐	Misidentified	☐	Past Due	☐	<table style="width: 100%;"> <tr><td>Pressure/Forced</td><td>☐</td><td>Temperature, etc.</td><td>☐</td></tr> <tr><td>Bending</td><td>☐</td><td>Set-up</td><td>☐</td></tr> <tr><td>Centre Not Concentric</td><td>☐</td><td>BOM/Route</td><td>☐</td></tr> <tr><td>Cracks</td><td>☐</td><td>Broken/Damage/Defect</td><td>☐</td></tr> <tr><td>Crimp/Kink/Ripple/Wave</td><td>☐</td><td>Inspection Incomplete/Unqualified</td><td>☐</td></tr> <tr><td>Cuffs</td><td>☐</td><td>Contamination</td><td>☐</td></tr> <tr><td>Crushing</td><td>☐</td><td>Countersink</td><td>☐</td></tr> <tr><td>Heat Treat</td><td>☐</td><td>Cut Too Short</td><td>☐</td></tr> <tr><td>Wave/Twist in Tube</td><td>☐</td><td>Instructions Incomplete/Unclear</td><td>☐</td></tr> <tr><td>Marks/Chatter</td><td>☐</td><td>Drill Holes</td><td>☐</td></tr> </table>	Pressure/Forced	☐	Temperature, etc.	☐	Bending	☐	Set-up	☐	Centre Not Concentric	☐	BOM/Route	☐	Cracks	☐	Broken/Damage/Defect	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐	Cuffs	☐	Contamination	☐	Crushing	☐	Countersink	☐	Heat Treat	☐	Cut Too Short	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐	Marks/Chatter	☐	Drill Holes	☐	<table style="width: 100%;"> <tr><td>Positioned Wrong</td><td>☐</td></tr> <tr><td>Outside Dimensions</td><td>☐</td></tr> <tr><td>Over/Under tolerance</td><td>☐</td></tr> <tr><td>Part Incorrect</td><td>☐</td></tr> <tr><td>Part Lost/Missing</td><td>☐</td></tr> <tr><td>Part Moved</td><td>☐</td></tr> <tr><td>Drawing</td><td>☐</td></tr> <tr><td>Finish</td><td>☐</td></tr> <tr><td>Misread</td><td>☐</td></tr> <tr><td>Turning Sequence</td><td>☐</td></tr> </table>	Positioned Wrong	☐	Outside Dimensions	☐	Over/Under tolerance	☐	Part Incorrect	☐	Part Lost/Missing	☐	Part Moved	☐	Drawing	☐	Finish	☐	Misread	☐	Turning Sequence	☐
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1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

C45-8-5

Job Sheet 171847



Part No: C45-8-5

Job Qty: 20 ea

Part Name: Solenoid Cover



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 2/8/18

Job Tracking No:

Due Date: 2/23/18

Created By: Marie Lajeunesse

Type: Stock

Description:

Note: C45-8-5 REV.10 IPP REV:A 18.02.07 NEW ISSUE DD VERF:DP

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	20 Ea	2/22/18	2/22/18	0.00	0.00	Start Up Machining-4		my 18/03/03
100	Bandsaw	20 pcs	2/22/18	2/22/18	0.08	1.67	Bandsaw1		my 18/03/03
120	CNC Vertical Machining	20 pcs	2/22/18	2/22/18	1.50	10.00	MORI NV5000-1		my 18/03/03
130	QC	20 pcs	2/22/18	2/22/18	0.00	0.00	QC2 Machining-5		my 18/03/03
140	QC	20 pcs	2/22/18	2/22/18	0.00	0.00	QC8 Machining-5		J.C.L. 18/03/03
150	Outsource	20 pcs	2/22/18	2/22/18	0.00	0.00	Outsource4		my 18/03/03
160	Packaging	20 pcs	2/22/18	2/22/18	0.00	0.00	Packaging2		my 18/03/03
170	QC	20 pcs	2/22/18	2/22/18	0.00	0.00	QC6		38
180	Small Fab	20 pcs	2/23/18	2/23/18	0.25	1.67	Small Fab-9		9-88
190	QC	20 pcs	2/23/18	2/23/18	0.00	0.00	QC5		
200	Packaging	20 pcs	2/23/18	2/23/18	0.00	0.00	Packaging3-2		
210	QC21-FG	20 Ea	2/23/18	2/23/18	0.00	0.00	QC21		

Part Op 100 CUT BLANK AT 4.75" 2- PLEASE SEE REC TO CHANGE ENGRAVING DATA # FOR EVERY W/O

Descriptions: 120 - 1-Machine as per folio FB827 FOLIO REV: _____ DWG REV: _____ 2-Debur

150 - Issue P/O to ATG: 035246 - ANODIZE COLOR BLACK, PER IAW MIL-A-8625F TYPE 2 CLASS 2, Water sealant -Certificate of Conformity is required

180 - LASER ENGRAVE AS PER DWG

WLB MAR 08 2018

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
M6061T6B2.250X4.000	6061T6 Bar 2.250 X 4.000	8 ft (.4 ea)	100-Bandsaw	

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
100-Bandsaw	M6061T6B2.250X4.000	8	0	0

Part Specifications

Specifications could not be found.

DART AEROSPACE LTD		Work Order:	171847
Description:		Part Number:	
Inspection Dwg:	Rev:	Page 1 of 1	

INSPECTION SHEET

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
1.970	$\pm .005$	1.975	—		Vern M-08	
.19	$\pm .010$	.196	—		"	
1.782	$\pm .005$	1.779	—		"	
R.25	$\pm .010$	R.250	—		R-G	
R.07	$\pm .010$	R.060	—		"	
.19	$\pm .010$	.196	—		Vern M-08	
$\varnothing .257$	$\pm .005$	$\varnothing .258$	—		"	
3.97	$\pm .010$	3.970	—		"	
R.50	$\pm .010$	R.500	—		R-G	
1.56	$\pm .010$	1.560	—		Vern M-08	
.58	$\pm .010$	.580	—		"	
3.750	$\pm .005$	3.752	—			
4.53	$\pm .010$	4.528	—		"	
.50	$\pm .010$	.500	—		"	
.50	$\pm .010$	.500	—		"	
2.500	$\pm .010$	2.500	—		"	
3.50	$\pm .010$	3.500	—		"	
$\varnothing .850$	$\pm .008$	$\varnothing .855$	—		"	
1.15	$\pm .010$	1.148	—		"	
1.75	$\pm .010$	1.752	—		"	

Measured by:	<i>mf</i>	Checked by:	J.C.-L.	QC Inspector:	
Date:	18/02/28	Date:	18-03-07	Date:	

Engineering Approval: (If necessary)		Date:	
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Rev	Date	Change	Revised by	Approved
A	14.07.31	New Issue	KJ	



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO039246

Supplier: ATG001-VC
A.T.G. Industries Inc
731 INDUSTRIELLE ROAD
ROCKLAND
ON
K4K 1T2 Canada
Phone: 613-446-4544
Fax: 613-446-4556

Attention: Lalande, Marc-Andre

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO039246

PO Date: 3/8/18

Due Date: 3/16/18

Purchase Order

Revision:

Revision Date: 3/20/18

Ship-To Contact: Baker, Diane
Phone: dbaker@dartaero.com

E-MAILED
MAR 20 2018

Via: Ground

Pymt Terms: Net 30

Freight Terms:

Special Comments:

Items

Line Item	Job	Part	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	171648	D5574-1	Blade Housing, Cable Cutter Issue P/O to ATG : Black Anodize & Prime as per Dwg. D5574 Certification of Conformity is required.	Firmed	4/2/18	3 pcs	0 pcs	3 pcs	\$11.87/pcs	\$35.61
2	172352	D5575-3	Break Away Tip, Lower Deflector Issue P/O to ATG : Black Anodize & Prime as per Dwg. D5575-3 Certification of Conformity is required.	Firmed	4/2/18	2 pcs	0 pcs	2 pcs	\$10.12/pcs	\$20.24
3	170170	647.7810	Bracket A Issue P/O to ATG : Hard Black Anodize and Prime as per Dwg 647.7800 Rev. A	Firmed	4/2/18	4 pcs	0 pcs	4 pcs	\$16.12/pcs	\$64.48
4	170171	647.7811	Bracket B Issue P/O to ATG : Hard Black Anodize and Prime as per Dwg 647.7800 Rev. A	Firmed	4/2/18	4 pcs	0 pcs	4 pcs	\$16.12/pcs	\$64.48
5	169393-A	647.7912	Clip ISSUE P/O: Hard Anodize, Color Black and Prime As Per Dwg. 647.7900	Firmed	4/2/18	12 pcs	0 pcs	12 pcs	\$11.22/pcs	\$134.64

PURCHASE ORDER

Items										
Line Item	Job	Part	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
6	170446	646.3010	LH Half Issue P/O to ATG : Hard Black Anodize and Prime as per Dwg 646.3000	Firmed	4/2/18	10 pcs	0 pcs	10 pcs	\$11.87/pcs	\$118.70
7	170447	646.3011	RH Half Issue P/O to ATG : Hard Black Anodize, Color Black and Prime as Per Dwg 646.3000	Firmed	4/2/18	10 pcs	0 pcs	10 pcs	\$11.87/pcs	\$118.70
171979				Firmed	4/2/18	16 pcs	0 pcs	16 pcs	\$11.87/pcs	\$189.92
Sub Total:						26	0	26		\$308.62
8	171847	C45-8-5	Solenoid Cover -Issue P/O to ATG: -ANODIZE COLOR BLACK, PER IAW MIL-A-8625F TYPE 2 CLASS 2, Water sealant -Certificate of Conformity is required	Firmed	3/23/18	20 pcs	0 pcs	20 pcs	\$5.37/pcs	\$107.40
9	172471	RBE350A94-3701-00	Main Rotor Rigging Tool -Issue P/O to ATG: -ANODIZE COLOR BLACK, PER IAW MIL-A-8625F TYPE 2 CLASS 2, Water sealant As per Dwg RBE350A94-3701-00 Rev. 2A -Certificate of Conformity is required	Firmed	3/23/18	6 pcs	0 pcs	6 pcs	\$4.77/pcs	\$28.62
10	173384	SWA10A-700A	Wire Clamp -Issue P/O to ATG: -HARD ANODIZE COLOR BLACK, PER IAW MIL-A-8625F TYPE 3 CLASS 2 -Certificate of Conformity is required	Firmed	3/23/18	28 pcs	0 pcs	28 pcs	\$7.37/pcs	\$206.36
11	172447	RBE350A94-2708-01-01	Slide -Issue P/O to ATG: -ANODIZE COLOR BLACK, PER IAW MIL-A-8625F TYPE 2 CLASS 2, Water sealant As per Dwg RBE350A94-2708-01-01 Rev. G -Certificate of Conformity is required	Firmed	3/23/18	4 pcs	0 pcs	4 pcs	\$4.77/pcs	\$19.08

DAS
38
9-89

Cm. 18/03/23

20x

x28

Cm. 18/03/23

3/20/2018

PURCHASE ORDER

Items										
Line Item	Job	Part	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
12	171382	RBE350A93-3302-02-5	Extension Handle -Issue P/O to ATG: -ANODIZE COLOR BLACK, PER IAW MIL-A-8625F TYPE 2 CLASS 2, Water sealant -Certificate of Conformity is required	Firmed	3/23/18	6 pcs	0 pcs	6 pcs	\$10.57/pcs	\$63.42
13	171729	RBT18520-1	Lift Device Frame -Issue P/O to ATG: -ANODIZE COLOR BLACK, PER IAW MIL-A-8625F TYPE 2 CLASS 2, Water sealant -Certificate of Conformity is required	Firmed	3/23/18	6 pcs	0 pcs	6 pcs	\$4.77/pcs	\$28.62
14	171711	RBT18603-5	Cup -Issue P/O to ATG: -ANODIZE COLOR BLACK, PER IAW MIL-A-8625F TYPE 2 CLASS 2, Water sealant -Certificate of Conformity is required	Firmed	3/23/18	4 pcs	0 pcs	4 pcs	\$4.77/pcs	\$19.08
15	172528	RBW6405G07331-3G-1	Receiver -Issue P/O to ATG: -ANODIZE COLOR CLEAR, PER IAW MIL-A-8625F TYPE 2 CLASS 1, Water sealant -Certificate of Conformity is required	Firmed	3/23/18	4 pcs	0 pcs	4 pcs	\$4.77/pcs	\$19.08
16	172292	269T3319-5	Roll 1-Issue P/O to ATG: 2-ANODIZE COLOR CLEAR, PER IAW MIL-A- 8625F TYPE 2 CLASS 1, Water sealant 2- Certificate of Conformity is required	Firmed	3/23/18	4 pcs	0 pcs	4 pcs	\$4.77/pcs	\$19.08
17	171466	RBE703A94-1130-01-05	Fixture Handle -Issue P/O to ATG: AS PER DWG RBE703A94-1130-01- 05 -ANODIZE COLOR CLEAR, PER IAW MIL-A- 8625F TYPE 2 CLASS 1 - Certification of Conformity is required	Firmed	3/23/18	12 pcs	0 pcs	12 pcs	\$4.77/pcs	\$57.24
									Grand Total: \$1,314.75	
Order Notes										
										
Plex 3/20/18 3:03 PM dart.lavoie.chanta										

Order Notes

Procurement Quality Clauses

A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 3/20/18 3:03 PM dart.lavoie.chantal



A.T.G. Industries Inc.
731 Industrielle Street
Rockland, ON K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 914806

Date: 23-Mar-18

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ship To

Diane Baker
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

Terms		Ship Via	
		OUR TRUCK	
Quantity	Description		
	Please reference this document's Pack List number on all correspondences regarding this shipment. If you have any questions, please contact us.		
4 ea	Part: RBE350A94-2708-01-01 Slide Anodize per MIL-A-8625F, Type II, Class 2, Black, .0004-.0010" (.4 - 1 mils), Water Sealant Job: 22698	Rev: G PO: PO039246 Line: 11	
6 ea	Part: RBT18520-1 Lift Device Frame Anodize per MIL-A-8625F, Type II, Class 2, Black, .0004-.0010" (.4 - 1 mils), Water Sealant Job: 22700	Rev: 11 PO: PO039246 Line: 13	
20 ea	Part: C45-8-5 Solenoid Cover Anodize per MIL-A-8625F, Type II, Class 2, Black, .0004-.0010" (.4 - 1 mils), Water Sealant Job: 22694	Rev: 10 PO: PO039246 Line: 8	
6 ea	Part: RBE350A94-3701-00 Main Rotor Rigging Tool Anodize per MIL-A-8625F, Type II, Class 2, Black, .0004-.0010" (.4 - 1 mils), Water Sealant Job: 22695	Rev: 2A PO: PO039246 Line: 9	
CERTIFICATE OF CONFORMANCE A.T.G Industries Inc. certifies that all items in this shipment conform to the requirements. Date: <u>23/03/2018</u> Certified Signature: <u>[Signature]</u> Receiver Signature: _____ Made in Canada.			



A.T.G. Industries Inc.
731 Industrielle Street
Rockland, ON K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 914806

Date: 23-Mar-18

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ship To

Diane Baker
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

Terms		Ship Via	
		OUR TRUCK	
Quantity	Description		
	A.T.G Industries Inc. is AS9100 Registered and Nadcap Chemical Processing Accredited.		
	Note: This Packing Slip may contain parts that have been PLATED. Items that are plated may be subject to natural tarnishing and it is suggested that they be inspected within 24 hours of receipt.		